KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

·	en Flo		OIL	. 0	(Test Date		tructions on Re	verse Side	,	No. 15			
☐ Del	liverab	ilty				•				181-20547-0	0-00		
Company Noble Energy Inc					Lease Blue			Well Number 33-11					
County Sherman			Locat NE-NV	ion V-NW-SE	Section 11			TWP 6S		RNG (E/W) 40W		Acres Attributed	
Field Prairie Star				Reservoir Niobrara			Gas Gathering Connection Kinder Morgan						
Completion Date 1/5/2009			Plug Bac 1521'	k Total (Depth		Packer S	et at					
_	Casing Size 7", 4-1/2"			Weight 20#, 9.5#				Set at 419', 1562'		Perforations 1366'		то 1400'	
Tubing Si 2 3/8	Ze		Weigh 4.7#		Internal Diameter 1.995		Set at		Perforations				
Type Completion (Describe)			Type Flui	Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No						
Single (gas) Producing Thru (Annulus / Tubing)				Saltwater % Carbon Dioxide			Yes % Nitrogen Gas G			ravity - G			
Tubing													
Vertical D	epth(F	⊣)				F	Pressure Taps				(Meter	Run) (Prover) Size	
Pressure	Buildu	ıp:	Shut in11/	5 2	0_13_at_7	:45	(AM) (PM)	Taken		20	at	(AM) (PM)	
Well on L	ine:		Started 11/	62	0 <u>13</u> at <u>8</u>	:00	(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSE	RVED SURFAC	E DATA			Duration of Shut-	-in_24.25_Hours	
Static / Dynamic Property	ty (inches)		Circle one: Meter Prover Press		Flowing Temperature t	Well He Tempera	wellhead	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		ubing ad Pressure (P,) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H ₂ 0			psig 68	psia	psig	psia			
Flow													
					I	FLOW	STREAM ATTE	RIBUTES	J.,				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	tension Fac		Flowing Temperature Factor F ₁₁		riation actor F _{pv}	Metered Flow R (Mcfd)	(Cubic Fe Barrel)	I Gravity I	
				<u> </u>	(OBEN EI	OW) (DE	LIVERABILITY	O CALCIII	ATIONS				
(P _c) ² =		_:	(P _w) ² =	·:	P _d =			P _c - 14.4) +		:	(P _a) (P _d)) ² = 0.207) ² =	
	$(P_c)^2 - (P_{\bullet})^2$ or $(P_c)^2 - (P_{d})^2$		2°)5- (b*)5	Choose formula 1 or 2 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² -P,	2 Slo	Backpressure Curve Slope = "n" or Assigned Standard Slope		rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flor	in.	!		Mcfd @ 14	65 neia	<u></u>	Deliveral	hility			Mcfd @ 14.65 ps	ia ·	
		igne	d authority, o			states th			to make th		rt and that he ha		
		•	•	aid report is tru			•			•		, 20 13	
												KCC WICHI	
			Witness	(if any)			_			For C	company	DEC 3 0 2013	
			For Com	nission			•			Chec	ked by	RECEIVE	

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and tha	at the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records
of equip	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
	ereby request a one-year exemption from open flow testing for the Blue 33-11 If on the grounds that said well:
	(Check one) is a coalbed methane producer
	is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER
	is on vacuum at the present time; KCC approval Docket No is not capable of producing at a daily rate in excess of 250 mcf/D
l fu	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissi
staff as	necessary to corroborate this claim for exemption from testing.
Date: _	12/5/2013
	Signature: leral Johnson
	Signature.

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.

KCC WICHITA

DEC 3 0 2013